

BASSETT MAGUIRE



Volume 34

Bassett Maguire (Celia K. Maguire)	Gmelina Survey	Africa	April 3-11, 1967
Bassett Maguire	60200-60208	British Honduras	January 4, 1967
	60209-60211	Panama	January 1967
	60335-60341	British Honduras	May 4, 1967

801









2

April 3, 1967

N. 1 (A)

Locality

Date

Size

Form

Soil

Remarks

N. 3 (C)

Locality

Date

Size

Form

Soil

Remarks

N. 4 (9)

Locality

Date

Size

Soil

Remarks

N. 5 (10)

Locality

Date

Size

Soil

Remarks

N. 6 (4)

Locality

Date

Size

Trees N. 1 - N 12 at Pitwood Plantation. Federal Research Station, Enugu.  
In plantation all but 10 trees cut, these left as seed trees. Plantation now of coffee - not too impressive.  
Growth good, remarkably uniform.

Enugu Pitwood Plantation. Federal

March 3, 1967

19.5"

40' - 10"

65'

Good. Main axis prominent with crown

Sandy-clay

Roadside at Forest

Headquarters

Enugu Pitwood Plantation

March 3, 1967

Diam 15" 50' - 60' - 6.9' 75'

Trunk prominent to within 10'

Sandy clay. Hard pan at 3' - laterite - often consolidated.

Self pruned to narrow crown - as are all trees in plantation

14 1/2" 50' - 6" 70'

16" 50' - 7" 75'

15 1/2" 45' - 6" 70'



N. 7 (5)

14" - 50 - 7" - 70'

N. 8 (3)

18" 50 - 7" 75"

N. 9 (2)

15.8" 45 - 8" - 70'

N. 10 (7)

16" 45 - 50 - 7" 75'

N. 11 (6)

17.6" 50 - 7" 80'



N. 12 (12) 15" 40' 6" 65'

N. 2 (8) 21" 35-41-7" 40'

April 4, 1967. Effraim Forest Reserve Planted June-July 1962  
Sandy loam A  $\pm$  1' 0"  $\pm$  2"

N. 13 7.7" - 60'

N. 14 8.8" - 60'

N. 15 9.0" 55'

N. 16 9.8" 50'

N. 17 9.5" 50'

N. 18	7"	55'
N. 19	9.2"	60'
N. 20	12.9"	45'
N. 21	8"	55'
N. 22	9.8"	60'
N. 23	13"	45' (border)
N. 24	8.9"	60'
N. 25	12"	60' (border)
N. 26	8.1"	55'
N. 27	9"	40'
N. 28	8.1"	60'



6

N 29	10"	55'	crum. fairly -
N 30	8'	55'	
N 31	8.9"	55'	
N 32	11.3	55'	r marginale
N 33	8.1	60'	
N 34	10.6	60'	
35	8.13'	55'	
36	7.0"	55'	
37	8.5"	60'	
38	8.1"	60'	
39	8.5'	55'	

N 40	7.9"	50'	
N 41	16"	70'	Crown bent towards right then right.
42	8.8"	60'	
N 43	10.4"	60'	Crown faulty
44	9.0"	60'	
45	7.6'	45'	
46	6.2	45'	
47	8.1'	55'	



8

N 48

8.8"

60'

49

10.5"

65'

50

7.2"

65'

51

11"

65'

62

9.2"

65'

April 5, 1967

Ikriqon Forest Reserve

N 53

12"

60'

80'

54

18

60'

80'

N 55	17.8"	65'	85'
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56	16.8	55	75'
----	------	----	-----

57	15.3	60'	75'
----	------	-----	-----

58	14"	60'	75'
----	-----	-----	-----

59	15"	60'	70'
----	-----	-----	-----

60	12.6"	60'	70'
----	-------	-----	-----

61	18"	65'	80'
----	-----	-----	-----

62	15.2"	60'-6"	80'
----	-------	--------	-----



N 63.	13.6'	65' - 6"	85'
64	15.2"	65'	70'
65	14.7"	70' - 6"	81'
66	13.5	50 - 6"	70'
67	13.5"	50 - 6"	70 feet from
68	14.2'	45' 7"	65'
69	19"	55 - 6'	80'
70	15.5"	55 - 6"	75'

71 18.4" 45'-7" 80'

72 13.8 45'-7" 75'

73 16.3 45'-7" 75'

74 14.8" 45'-6" 75'

75 14.0" 45'-6" 75'

76 13.7 45'-7" 70'

77 19.9" 50'-8" 70'

78 13.6" 50'-6" 70'





79	18"	50 - 8"	70
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80	15.8"	55 - 6"	70
----	-------	---------	----

81	15.5"	45' - 5"	70'
----	-------	----------	-----

82	16.5"	50 - 5"	70"
----	-------	---------	-----

83	17.0"	45' 8"	70"
----	-------	--------	-----

84	19.1	50 - 7"	70"
----	------	---------	-----

85	20.1"	55' 8"	70'
----	-------	--------	-----

86	21.4"	60 - 8"	80'
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87	13.5'	50' - 6"	70'
88	14.6'	45' - 6"	65'
89	14.0'	50' - 6"	70'
90	14.0'	55' - 6"	70'
91	14.5'	60' - 5"	70'
92	13.3	55' - 5"	65'
93	13.6	50' - 5"	65'
94	14.8	60' - 5"	75'

N. 95	16"	40 - 10"	60"
96	18.2"	45 - 10"	60"
97	14.8"	45 - 8"	65"
98	16"	45 - 8"	70"
99	15.3"	50 - 6"	70"
100	18.7"	60 - 6"	75"
101	17.6"	60 - 7"	75"
102	19.7"	50 - 8"	75"



N 103	20.1	50-10	75
		215-120 South side 30'	
N 104	15.1	55-5	70'
N 105	20.1	60-9"	75'
N 106	14.2	60-6'	70'
N 107	13.2	60-8'	70'
N 108	13.4	60-5"	75'
N 109	14.8	55-5"	70'
N 110	19.4	50-8'	75'

N 111 17.2" 60.8" 24-27 80

N 112 16.4 60-6 80

Mama River Plantation

N. 113 17.7" 45' 7" 65'

114 11.7" 50' 5" 70'

115 22.1" 50' 8" 65'

116 18"  50' 7" 65'

117 16.8" 45' 7" 65'

Mangrove  
standing  
brown  
light



N 118	19.4	50' 7"	75'
119	19'	49' 8"	65'
120	18"	50' 7"	75'
121	19'	50' 6"	75'
122	18.5"	50' 7"	75'
123	14.6"	50' 6"	75'
124	13.7'	50' 6"	75'
125	14.4"	49' 3"	70'
126	20"	55' 7"	70'
127	16.8"	50' 6"	65'

N. 128	22.5"	40' 12"	65'
129	16.5"	50' 6"	65'
130	14.3"	60' 5"	70'
131	20.2"	45' 10"	70'
132	17.1"	45' 8"	70'
133	14.3"	40' 6"	70'
134	13.5"	50' 5"	70'
135	13.9"	45' 6"	65'
136	18.8"	50' 7"	70'
137	12.9"	50' 5"	



700 ym. long 1 light  
45'

N 138	18.1	40' 7"	
139	17.9	50' 6"	70'
140	20.6	46' 8"	45'
141	14.4	50' 8"	75'
142	14.0	50' 6"	70'
143	17.4	50' 6"	70'
144	13.8	57' 8"	70'
145	15.7	50' 4"	70'
146	10.4	50' 5"	70'
147	16.8	40' 7"	70'

N 148	16.3"	50-7"	75'
149	13.1"	55-5"	70'
150	15.2"	50-6"	70
151	13.4"	50-5"	70"
152	11.7"	50-4"	70'
153	14.8"	45-5"	70'
154	15.6"	45-6"	70
155	13"	45-5"	70'
156	12"	45-5"	70'
157	13.6"	50-5"	70



cont 73	158	14.9"	55-5	65
	159	16.3"	45-7"	65
	160	13.6"	50-6"	65
cont 74	161	17.7"	45-7"	65
	162	20.5	50-8	Orchid 70

Akpa ka Plantation  
 Comp 29B planted 1955 Thinned 1962.  
 Comp. 29A Planted 1953  
 Coppiced 1963

Sandy Clay-Loam with laterite  
 Max 89.9. Min 78.28

Dry Dec-Mar.

Rainy Peak July-Sept.

Av. rainfall 26"

Alt. 100-300'

29A

N 163

17.1"

45-9"

65'

164

18.7"

50-8"

65'

165

13.3"

45' 6"

65'

166

13.9"

50' 6"

65'

167

16.2"

40' 10" margin

60

168

15 3"

55 7"

70'



169	20.2"	40 - 15"	65'
170	16.1"	50 - 6"	65' <i>Crumb had ~</i>
171	19.3"	45 - 8"	60'
172	15.9"	45 - 7"	60'
173	13.9"	50 - 6"	70'
174	15.5"	50 - 7"	70'
175	14.6"	40 - 6"	60'
176	13.8"	50 - 7"	65'
177	15.1"	55 - 7"	70'
178	13.6"	50 - 7"	63' <i>Not feeding</i>
<i>Crumb shown, some would change to this</i>			

N. 179

12.9"

55' 6" margin

65'

official grade calculated & curve adjusted  
after copying.

29 B

N 180

Flow block not copied, selections made. Standard 196.5

13.8"

50-5"

60'

181

13.2

50-6'

65'

182

13.4"

45-6

60'

183

11.6"

45-6

55'

184

10.6"

50-5"

60'

185

11.6'

50-5 slightly

60'

186

12.3"

40-7

60'

187

10.6"

45-6"

60'

This block of ground poor quality  
irregular & loose



Traces in this block are fairly frequent  
show only moderate wear

N 188	12.12"	55-5"	65'
189	11.0 <sup>10</sup> "	53-5"	65'
190	12.9"	53-5"	65'
191	12.5"	53-6"	45'
192	10.12"	52-4"	65'
193	13.5"	50-4"	65'
194	11.2"	50-3"	65'
195	13.5"	50-3"	45'
Traces in this block are fairly frequent			
196	17.3"	50-8"	65'
197	13.8"	50-6"	65'

198

14.9"

40.7"

60

199

13.6"

55.6"

63

200

13.9"

55.8"

65



O. A. UMANA

FOREST OFFICE, BANDA 2nd Division  
Banda April 8, 1967

Camp 15 1957 Clay Limestone

N 701

11"

45-5

65

202

13.2"

50-6"

65"

203

14.4"

50-6"

65"

204

11.2"

42-7"

65"

205

12.3"

48-6"

65"

206

11.4"

45-8

85

207

13.2"

40-6"

60

208

15.7"

45-6"

65

209

14.3"

50-5

65

N 210	16.7"	45-8"	65"
211	12.7"	45-6"	65"
212	12.6"	45-7"	65"
213	14.4"	50-7"	65"
214	15.0"	50-7"	65"
215	10.9"	45-5"	60"
216	14.7"	50-6"	65"
217	12.7"	45-6"	65"
218	15.1"	45-6"	65"
219	12.7"	50-5"	65"



N 220	12.2"	50-5"	65'
221	12.1"	45-5"	65'
222	16.0	45-5"	70'
223	16.1"	50-6"	65'
224	16.8	50-6"	50'
225	12.7"	50-5"	70'
226	12.1"	45-5"	65'
227	13.4	50-5"	65'
228	18.9	50-7"	70'
229	16.7"	50-6"	70'
230	15.3"	55-5"	75'
231	12.3	45-5"	65'
232	16"	40-5"	65'
233	13.3'		

on left side of  
 the road  
 in the  
 valley

N 234	11.2"	45-5"	65'
235	14.2"	50-5"	60'
236	13.9"	40-6"	65'
237	12.8"	45-5"	60'
238	13.3"	40-6"	60'
239	11.9"	50-5"	65'
240	11.0"	50-5"	65'
241	13.5"	45-6"	65'
242	16.1"	45-6"	65'
243	18.8"	45-5"	65'
244	16.1'	50-5"	65'
245	11.5"	50-5"	65'
246	13.7"	50-5"	65'
247	17.7"	50-6"	65'
248	14.9"	55-6"	65'



247	14"	50.5"	65'
250	14.2"	50.5"	65'
251	14"	50.4"	65'
252	15.7"	45.7"	65'
253	13.2"	45.6"	65'
254	12.1"	45.5"	65'
255	14.4"	45.6"	65'
256	12.6"	50.5"	65'
257	13.2"	45.5"	65'
258			
259			
260			
261			
262			
263			

264

65

66

67

68

69

70

71

72

73

74

75

76

77

78



34

N 279

80

81

82

83

84

85

86

87

88

89

90

91

92

93

N. 294

95

96

97

98

99

N. 300



Livi. Calabar

H-301

Obian Group, about 1000 ft. 1962 (Completed 8)

Rainfall 140" annually.

Dry Nov - March - but not pronounced  
here in deepest south.

A Nigra - Sandy clay, about 15"

B Clay - to sand - several feet.

H-301

12.9"

40 - 5"

60'

302

12.4"

40 - 6"

40'

303

11.6"

40 - 5"

60'

304

10.4"

40 - 5"

60'

305

11.0"

20 - 20"

60'

306

11.8"

40 - 6"

60'

307

12.4"

40 - 5"

60'

308

10.4"

40 - 5"

65'

309

9.3"

40 - 5"

65'

310

10.7"

40 - 5"

65'

311

9.9"

40 - 4"

65'

N 312	12.3'''	40-6	60'
313	11.6''	40-5	60'
314	11.4''	40-5''	60'
315	12.2''	45-6	60'
316	10.2''	45-5''	65'
319	11.1''	45-5	60
318	9.2''	40-5''	60'
320	12.2''	42-5''	65'
321	10.6	40-5'	60'
322	10.6	45-5	60
323	11.3''	45-5''	65'
324	13.3	40-6	60'
325	11.9''	40-6	60'
326	10.2''	40-4''	60
327	9.8	40-6''	60





11.12.1 9.5 410.5 55

11.12.1 12 45.5 55

11.12.1 13.5 45.5 55

11.12.1 9.5 410.5 55

11.12.1 8.5 410.5 55

11.12.1 10 410.5 55

11.12.1 5.5 410.5 55

11.12.1 12.5 410.5 55



















the higher  
est. demand  
not much  
because of rainfall

all drainage broken off last as a result of digging  
at waterway, and the drainage is full and

1954 B. Melina N. 2nd 401

1	15.5"	55' - 12"	70'
2	12.5"	55' - 8'	60'
3	17.5"	42 - 10"	65'
4	19.0"	40 - 10'	65'
5	18.0"	45' - 10'	65'
6	14.0"	40 - 12	65'
7	13.0"	45' - 8'	60'
8	19.0"	40 - 12	55'
9	16.5"	40' - 12"	55'
10	19.0"	45' - 10	55'
11	17.0"	45 - 12'	55'
12	14.5'	40 - 10	55'
13	16.5"	35 - 8	50'
14	22.0	45 - 12	70'
15	15.5"	45 - 10	50'

heavily bearing

Seed for *Myrica*  
Total height  
213 1/2 years

± 5 acres  
To be dug out 7 or 8 inches  
Dime hole 4 inches wide & 6 inches 2 1/2 inches

8.16	20.0"	45' 10"	60'
17	15.5"	31' 12"	65"
18	19.5"	23' 14"	40'
19	21.0"	42' 14"	20'
20	17.5"	40' 12"	60'
21	12.0"	410' 10"	55"
22	15.5"	2' 12"	55"
22	21.0"	40' 12"	35"
24	18.0"	20' 10"	153
25	16.5"	28' 8"	40'
26	13.0"	40' 8"	40'
27	16.5"	40' 8"	55"
28	16.5"	20' 8"	55"
29	17.5"	20' 10"	50'
30	17.0"	40' 10"	55"

31	19.5	40" 10"	55'
32	22.0	Tube	55'
33	21.5	40" 10"	60'
34	19.0	40 10"	60'
35	15.8	40 10"	60'
36	34.0	15 10"	60'
37	13.0	30 10"	60'
38	18.5	15 10"	65'
39	12.0	20 12"	55'
40	21.0	40 15"	55'
41	14.5	20 10"	60'
42	15.5	45 10"	55'
43	22.0	30 12"	60'
44	19.5	45 10"	55'
45	12.5	45 10"	60'
46	15.0	40 6.0	60'
47	13.0	45 8.0	70'
48	18.0	40 10.0	60'



49	17.0	35 - 6.0	50'
50	17.5	40 - 8.0	50'
			53
B 51	25'	40 - 12	55
52	25'	35 - 14	60
53	16.5	45 - 8	60
54	17.5	50 - 6	65
55	17.5	50 - 6	70
56	15.5	35 - 10	60
57	14.5	110 - 10	65
58	14	10 - 10	60
59	18	35 - 8	60
60	17.5	45 - 8	65
61	16.0	25 - 8	55
62	22.0	35 - 15	60
63	14.5	25 - 10	55
64	17.0	25 - 10	60
65	17.5	35 - 10	60
66	20.0	40 - 12	60

66	15"	40' - 8"	40
68	21	40 - 10	60
69	18	35 - 10	60
70	20'	40 - 10	60
71	14'	35 - 10	60
72	12	35 - 10	60
73	22"	40 - 12'	65
74	20"	40 - 10	65
75	20"	40 - 10	65
76	14.5'	40 - 8	65
77	21.0	35 - 10	60
78	19.0	40 - 10	60
79	24.5	40 - 12	65
80	17.0	40 - 10	60

- Total 79.5 trees

Abundantly flowering - fruiting season  
just in Japan - May - June



Total - 50 trees

not made and something  
- 5 p.m. - something 55  
Kerning -  
June - July - 8' and  
94 acres

Amelanchier

1922

June - July

8' and

94 acres

BH	81.	10.0"	40-6"	60'
	82.	12.5"	45-5"	60'
	83	16.5	35'-7"	60'
	84	14.0	40-5"	60'
	85	10.5	35-5"	60'
	86	10.0'	40-5"	60'
	87	8.0'	45-4"	60'
	88	9.5'	43-4"	60'
	89	12"	45-6"	60'
	90	10.5	45-5"	60'
	91	9.5	45-5"	60'
	92	11.0	50-5"	60'
	93	13.0	40-5"	60'
	94	9.0	40-5"	60'



84	9.5	11.0	35' - 5"	55
96	11.5'		40 - 5	50
97	7.5		35 - 5	50
98	11.0		20 - 5	50
99	9.0		30 - 4'	45
100	11.0		25 - 5"	50
101	9.5		30 - 5	45
102	12.0'		25 - 5	50
103	12.0		40 - 5'	50
104	12.5		30 - 5	50
105	10.0		30 - 4'	50
106	10.0		40 - 5'	50
107	9.5		25 - 5	50
108	10.0		40 - 5	55
109	10.0		25 - 6	55
110	10.0		40 - 5	50

111	11.0	35-5	55
112	12.5	40-5	55
113	11.0	40-5	55
114	10.5	40-5	55
115	10.0	40-5	55
116	11.0	40-5	55
117	10.0	40-5	55
118	11.0	40-5	55
119	13.0	40-5	55
120	10.0	40-5	55
121	10.0	40-5	55
122	13.5	45-6	55
123	10.5	40-6	55
124	9.5	35-5	50
125	11.0	40-5	55
126	11.5	40-5	55

127	10.0	40-5	50
128	11.0	40-6	53
129	12.5	35-2	55
130	10.2	35-3	60

Taken  
 11.21  
 6 new days



Total 10 trees

Seed material for Series 100  
3 BH from 100

generally from  
from 59

→ 44 acres

Quelina Parvifolia 1963 June-July

not flowering

38 acres

Caulis diam	BH 131	8.0'	40-4	50
	132	8.0'	35-4	45'
	133	7.5	35-4	45'
	134	8.0	40-4	50
	135	8.5	35-5	50
W. side of road	136	9.5	40-4	50'
	137	10.0	35-4	45'
	138	10.0	35-4	45'
	139	9.5	20-5	35
	140	11.0	40-5	50

Generally poor from after frost in  
winter

Grain: Barley 1968 - June - July 1968  
59 acres.

141	7.5	20-4	23
142	8.0	20-4	22
143	8.0	35-11	17
144	6.0	25-5	11
145	6.5	21-4	20
146	6.0	35-3	10
147	2.5	10-3	20
148	7.5	20-4	15
149	5.0	20-2	25
150	6.5	25-2	15





Gumelima Seed Program  
Seed Collection Areas  
350 Selected Trees

Visited April, 1967

- Apr 5 1. Ikirigiri Forest Reserve  
N 53 - N 112 (50 selected trees)
- Apr 4 2. Effurun Forest Reserve Planted June - July, 1962.  
N 13 - N 52 (100 selected trees)
- Apr 5 3. Bendi Forest Reserve  
N 291 - N 300 (100 Trees, 43 to be selected)
- Apr 6 4. Alaria River Forest Reserve Planted 1946. 21 years old.  
N 113 - N 162 (50 selected trees)
- Apr 7 5. Akpoia Forest Reserve  
N 163 - N 199. Comp. 299 (17 selected trees)  
Planted 1952, supplied 1963.  
N 185 - 200 Comp. 290 (21 selected trees) Planted 1955  
Terminated, 1962
- Apr 3 6. Pitwood Plantation  
N 1 - N 12. (12 Trees all preserved for seed source)
- Apr 11 7. Oban Group Forest Reserve (Ani) 5 years old  
N 301 - N 350 (50 selected trees) Planted May - June, 1962  
(Fruit generally parastichous. Probably should not be used.)
8. Enugu 50-year old plantings. Obtain seed for Phase 'B' seed collection

copy to  
Mr. A. H. H.  
Mr. H. H. H.

Memorandum

To: Mr. A  
Mr. Leo

From: B. H.

Subject: Smiling Program







## British Honduras

- 60200 *Rynchospora* Weed in plantation of  
Toledo, B.H. at 100-200 m alt. Jan 4
- 60201 *Cissia* aff. *C. flava*. Tree to 15 m high, latex clear,  
below Rest House, Augustine Forest  
Augustine, Cayo District, B/H
- 60202 *Hypocnemis tenuis-firmae*. Shrub to 2 m high, fl  
forests, on Melkyon Creek, Mountain Pine Ridge
- 60203 *Clusia massoniana* Tree to 8 m, latex cream. white  
ovary 5-celled, stigma 5.
- 204 *Clusia massoniana* ♂ Data as above
- 60205 *Tristicha trifaria* <sup>Sp. n.</sup> Moss-like plant growing densely  
floating water, Guacamallo Bridge
- 60206 *Clusia* ♂ Small tree on limestone, latex clearish  
petals & cream colored, thickly coriaceous,  
Chiquibui Forest 2-5 km S of Guacamallo
- 60207 *Clusia* ♀ data as above, fruit 4(5)-celled.
- 60208 *Clusia* ♂ data as for 60206.  
(this tree bore a single fruit!)
- Chiquibui - Citricos - Panama Jan. 1967.
- 60209 *Clusia* aff. *C. rosea*. Beautiful large evergreen tree to 18  
In fruit only, Citricos at 400 m



*Pinus caribea*, Machaca Forest Station <sup>seed</sup> <sub>cyto</sub>  
1967.

Jan 5, 1967.

moderate, frequent on slopes  
Platan at 500m alt. Cyt maternal C.  
shiny, terminal, yellow; Oak - Pine  
550m alt. cyt - seed C.  
moderate, data as above,

F,

Cyto

F.

on submerged rocks in swiftly  
East Branch, Belize River at 400m. A.

soon becoming milky, moderate,

Bridge @ 500m alt. Cyt F

F

Cyt F

W. high, latex yellow.  
et., Chiriqui, Panama seed C.  
Jan. 8, 1967

*Rynchospora cephalotes* Kunth

*Hypericum* <sup>terreae</sup> <sub>frumac</sub>  
*Shimper* C. L.

*Clusia Lundellii* Standley  
? = *C. chanebiana* Lundell

" " "  
" " "  
" " "  
" " "



132

Cibola, Chiriqui, Panama @ 400 m. alt

60210

*Clusia minor* L. Sene lat.Bushy tree to 6  
yellowish, petals

211

*Clusia minor* L. Sene lat.

data as above,

7-8-celled, slightly

Jan 8, 1967

100

11' high, leafy clear, apodizing	C.
5, pinkish-white	
fruit oblong-ellipsoidal	
2-8. seed	C.







May 4, 1967. Argentina. Forest Department Compadre  
 60335 *Clusia* M. ♀ Tree 10 m high, margin Rio Rio. Argentina

60336 *Clusia* M. ♀ Tree to 15 m high, margin. *Clusia*  
~~affinis~~ = *C. flava* - commonly 3: common  
 freely, sometimes in fruit stems.

May 5, 1967 Argentina. Bariles. *Andes* *Bariles*

60337 *Clusia* *Andes* *Bariles* Tree to 10 m high, little latex in trunk.  
~~affinis~~ = *C. flava* latex: pale yellow to stigmas. Wood

60338 *Clusia* *Andes*

60339 *Clusia flava* ♀ Tree to 15 m high, latex  
 chief *Andes* *Bariles*, Argentina

60340 *Clusia flava* ♂

60341 *Polytrichum* *Andes* *Bariles* Melinda

## Bulb's Dendroica.

Dend. Dendroica.

El. dendroica in leaf

May 11, 1962, 3 mi from Argentine Dend. Dendroica  
 dry water courses, in Pine. Oak associated, regeneration

Retired Dend. 2 mi from Warner Tail road. about 20 mi from  
 Argentine. 2 1800' alt

see with prominent dendroica rob. which with moderate white  
 sample, O.

moderate to sparse clear burning state. An hole below  
 Dend. Dendroica.

May 9, 1962













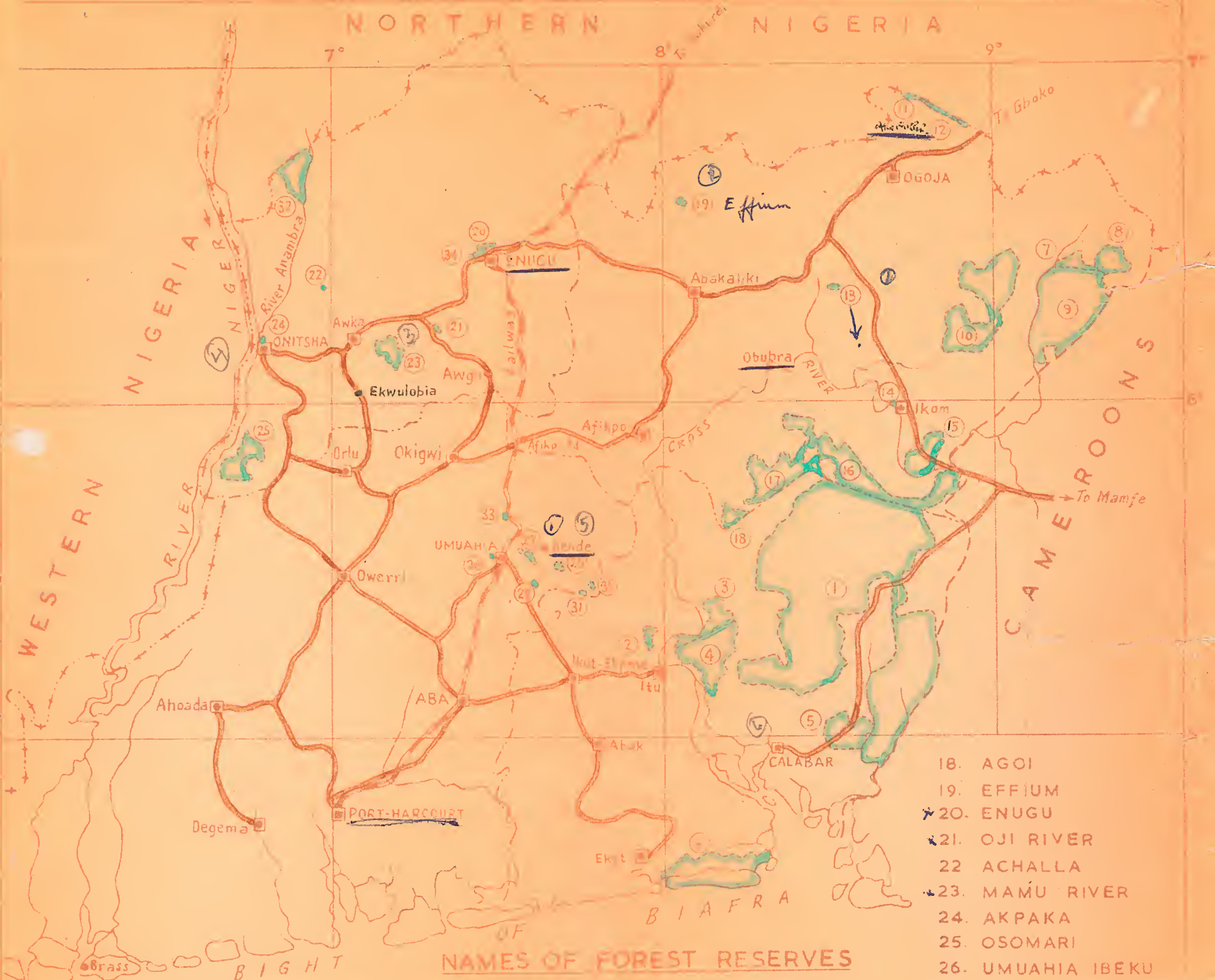


# Tentative Touring Programme

Egu pitwood plantations	3/4/67	— afternoon	2-4.30
Ejia reserve	4/4/67	—	<u>9am</u>
Ikingi reserve	5/4/67	— 8am	Lunch 5
Mamu "	6/4/67	9am	}
Akpaka "	7/4/67	8am	
Bende "	8/4/67	7am	
Awi (Obam reserve)	10 <sup>th</sup> - 11 <sup>th</sup>	April	1967.











20 - ju  
90 - 100 -

10 x 01

8 x 8

5 x 5

10 x 10

100

300

o x o o

o x o o

o x o o

Randolph H. Dominguez.

COMPARTMENT 29B:    AGE :                    1955 Plantation

DATA From Enumeration carried out in September, 1962.

Average Stem Density per acre	=	491 ( 6" and Over)
"      Basal Area      "      "	=	114 Sq.ft.
"      Volume O.B.      "      "	=	2940 cub. ft.
"      Volume U.B.      "      "	=	2656 "      "
Bark Volume %		14%
Form Factor	=	.52

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DATA from Thinning Carried out in October, 1962

Total No. of Thinnings per acre	=	298
Mean Tree GBH - 14"; Timber ht.	=	28'
Basal area thinned per acre	=	38 Sq. ft.
Volume O.B. per acre		680 cub. ft.
Volume U.B.      "      "	=	606 "      "

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Average Girth of 10 largest tree per acre	40" in 1960
"      "      "      10      "      "      "      "	45" in 1962
Mean Tree Girth	20" " 1960
"      "      "	22" " 1962

Volume of crop in 1960 = 2825 cub. ft. (approx. 39 cords)

P.O. Enemuoh  
PROVINCIAL FOREST OFFICER.





OMELINA PLUS TREES  
UKPOM BENDE FOREST RESERVE

Tree Number	Compartment	Location
Plus Tree No. 1	9	Along the Res. Boundary
- do - 2	7	- do -
" 3	13	Along Motor Road.
" 4	13	- do -
" 8	13	"
" 9	13	"
" 10	13	"
" 11	13	"
" 12	13	"
" 13	15	At the Roadside Camp.









